

Title (en)
A Mn-Zn ferrite

Title (de)
Mn-Zn-Ferrit

Title (fr)
Ferrite de Mn-Zn

Publication
EP 0980857 A1 20000223 (EN)

Application
EP 99116095 A 19990817

Priority
• JP 24918998 A 19980819
• JP 2999499 A 19990208

Abstract (en)
A Mn-Zn ferrite having large electrical resistance, which can withstand the use in high frequency region exceeding 1 MHz, is provided. The Mn-Zn ferrite comprises the following basic components: 44.0 to 50.0 mol% Fe₂O₃, 4.0 to 26.5 mol% ZnO, 0.1 to 8.0 mol% at least one member selected from the group consisting of TiO₂ and SnO₂, 0.1 to 16.0 mol% CuO, and the remainder being MnO. By the addition of TiO₂, SnO₂ and CuO, even if the material is sintered in the air, electrical resistance of 10^{<3>} times or more as high as that of the conventional Mn-Zn ferrite can be obtained, and a high initial permeability of 300-400 as estimated can be secured even at high frequency of 5 MHz.

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C04B 35/26

IPC 8 full level
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CPC (source: EP US)
C04B 35/265 (2013.01 - EP US); **C04B 35/2658** (2013.01 - EP US); **H01F 1/344** (2013.01 - EP US)

Citation (search report)
• [A] GB 740755 A 19551116 - BRITISH THOMSON HOUSTON CO LTD
• [A] DE 1177538 B 19640903 - ITT

Cited by
CN115536380A; CN111377726A; EP1378921A1; EP1136460A1; US7148767B2; US6798329B2; US6461531B2; EP1043286B1

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